

What is claimed is:

1. A portable data recording and/or data playback device, comprising data capture and/or output devices for the capture and/or output of data, with data memory and/or data readout devices for storing captured data in a data memory unit and/or for reading out data for output from the data memory unit, and with operating controls for controlling the operation of the portable data recording and/or data playback device,
wherein the data capture and/or data output devices, the data memory and/or reading devices as well as the operating controls are contained in one unit in the form of a headband.
2. A portable data recording and/or data playback device according to claim 1, wherein the data output devices include at least one electro-acoustic transducer for the output of audio data.
3. A portable data recording and/or data playback device according to claim 1, wherein the data capture devices include at least one microphone for the capture of audio data.
4. A portable data recording and/or data playback device according to claim 1, wherein the data reading devices and data output devices are designed for reading out and playing back MP3 data.
5. A portable data recording and/or data playback device according to claim 1, wherein there is a provision for energy supply devices for the delivery of electrical energy, whereby the energy supply devices are also contained in the headband.
6. A portable data recording and/or data playback device according to claim 1, wherein the operating controls include a keyboard, which is attached to the headband, for the manual operation of the device by a user.

7. A portable data recording and/or data playback device according to claim 1, wherein the operating controls include a microphone, which is attached to the headband, for the capture of a sound signal, and a speech recognition device, which is contained in the headband, for the recognition of a user voice command within the sound signal and for the conversion of the voice command to a corresponding control command for the portable data recording and/or data playback device.

8. A portable data recording and/or data playback device according to claim 1, wherein there are provisions for data interface devices to receive external data and/or send data to an external receiver and that the devices are contained in the headband.

9. A portable data recording and/or data playback device according to claim 8, wherein the data interface devices are designed for wireless data transmission.

10. A portable data recording and/or data playback device, comprising data capture and/or data output devices for the capture and output of data, with data memory and/or data readout devices for storing captured data in a data memory unit and/or for reading out data for output from the data memory unit, and with operating controls for controlling the operation of the portable data recording and/or data playback device,

wherein the operating controls include sound capture devices for the capture of a sound signal, and speech recognition devices for the detection of a user voice command contained in the sound signal, and for the conversion of voice commands to a corresponding control command for the portable data recording and/or data playback device.

11. A portable data recording and/or data playback device according to claim 10, wherein the data capture and/or data output devices are contained in a headband.

12. A portable data recording and/or data playback device according to claim 11, wherein the sound capture devices include at least one microphone which is integrated with the headband.

13. A portable data recording and/or data playback device according to 10, wherein the data output devices include at least one electro-acoustic transducer for the playback of audio data.

14. A portable data recording and/or data playback device according to claim 10, wherein the data capture device includes at least one microphone for recording audio data.

15. A portable data recording and/or data playback device according to claim 10, wherein the data readout devices and the data output devices are designed for the readout and output of MP3 data.

16. A portable data recording and/or data playback device according to claim 10, wherein the operating controls include at least one key for the manual operation of the portable data recording and/or data playback device.

17. A portable data recording and/or data playback device according to claim 11 or 16, wherein at least one key is attached to the headband.

18. A portable data recording and/or data playback device according to claim 16, wherein there are provisions for at least one key to switch the portable data recording and/or data playback device on or off and to activate the speech recognition device.

19. A portable data recording and/or data playback device according to claim 10, wherein there are provisions for decoding devices for the decoding of coded output data.

20. A portable data recording and/or data playback device according to claim 10, wherein there are provisions for operating information output devices which output operating information to the user during the operation of the portable data recording and/or data playback device and help the user with the operation of the device.

21. A portable data recording and/or data playback device according to claim 20, wherein the operating information output devices are designed for acoustic and/or visual output of the operating information.

22. A portable data recording or playback device, comprising
a data capture device or data output device; and
a data memory device or data readout device,
wherein i) data capture device or data capture device, and ii) the data memory device or the data readout device, are contained in a headband.

23. The device of claim 22 further comprising operating controls for the data memory device or the data readout device, and the operating controls contained in the headband.

24. The device of claim 22 further comprising operating controls that comprise sound capture apparatus for capture of a sound signal.

25. The device of claim 24 further comprising operating controls that comprise a speech recognition apparatus for the detection of a user voice command contained in a sound signal and for the conversion of voice commands to a corresponding control command.

26. A portable data recording or playback device, comprising
a data capture device or data output device;
a data memory device or data readout device; and
operating controls.

27. The device of claim 26 wherein the operating controls comprise sound capture apparatus for capture of a sound signal.

28. The device of claim 26 further comprising operating controls that comprise a speech recognition apparatus for the detection of a user voice command contained in a sound signal and for the conversion of voice commands to a corresponding control command.